

Derek Beaton

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,136
citations

840776

11
h-index

713466

21
g-index

31
all docs

31
docs citations

31
times ranked

2348
citing authors

#	ARTICLE	IF	CITATIONS
1	Variability in the analysis of a single neuroimaging dataset by many teams. <i>Nature</i> , 2020, 582, 84-88.	27.8	634
2	An ExPosition of multivariate analysis with the singular value decomposition in R. <i>Computational Statistics and Data Analysis</i> , 2014, 72, 176-189.	1.2	99
3	Differences in Human Cortical Gene Expression Match the Temporal Properties of Large-Scale Functional Networks. <i>PLoS ONE</i> , 2014, 9, e115913.	2.5	62
4	The utility of multivariate outlier detection techniques for data quality evaluation in large studies: an application within the ONDRI project. <i>BMC Medical Research Methodology</i> , 2019, 19, 102.	3.1	50
5	Semantically defined subdomains of functional neuroimaging literature and their corresponding brain regions. <i>Human Brain Mapping</i> , 2018, 39, 2764-2776.	3.6	33
6	CQoCO: A measure for comparative quality of coverage and organization for self-organizing maps. <i>Neurocomputing</i> , 2010, 73, 2147-2159.	5.9	27
7	Ontario Neurodegenerative Disease Research Initiative (ONDRI): Structural MRI Methods and Outcome Measures. <i>Frontiers in Neurology</i> , 2020, 11, 847.	2.4	23
8	Partial least squares correspondence analysis: A framework to simultaneously analyze behavioral and genetic data.. <i>Psychological Methods</i> , 2016, 21, 621-651.	3.5	23
9	Qualitatively distinct factors contribute to elevated rates of paranoia in autism and schizophrenia.. <i>Journal of Abnormal Psychology</i> , 2012, 121, 767-777.	1.9	20
10	Cortical Thickness Estimation in Individuals With Cerebral Small Vessel Disease, Focal Atrophy, and Chronic Stroke Lesions. <i>Frontiers in Neuroscience</i> , 2020, 14, 598868.	2.8	18
11	Parkinson's Disease, <sc><i>NOTCH3</i></sc> Genetic Variants, and White Matter Hyperintensities. <i>Movement Disorders</i> , 2020, 35, 2090-2095.	3.9	18
12	Feasibility of a continuous, multi-sensor remote health monitoring approach in persons living with neurodegenerative disease. <i>Journal of Neurology</i> , 2022, 269, 2673-2686.	3.6	17
13	The Quality Assurance and Quality Control Protocol for Neuropsychological Data Collection and Curation in the Ontario Neurodegenerative Disease Research Initiative (ONDRI) Study. <i>Assessment</i> , 2021, 28, 1267-1286.	3.1	15
14	Characteristics of the Ontario Neurodegenerative Disease Research Initiative cohort. <i>Alzheimer's and Dementia</i> , 2023, 19, 226-243.	0.8	15
15	A constrained singular value decomposition method that integrates sparsity and orthogonality. <i>PLoS ONE</i> , 2019, 14, e0211463.	2.5	13
16	Fractal initialization for high-quality mapping with self-organizing maps. <i>Neural Computing and Applications</i> , 2010, 19, 953-966.	5.6	11
17	MRI-visible perivascular space volumes, sleep duration and daytime dysfunction in adults with cerebrovascular disease. <i>Sleep Medicine</i> , 2021, 83, 83-88.	1.6	11
18	Methods for Improving Screening for Vascular Cognitive Impairment Using the Montreal Cognitive Assessment. <i>Canadian Journal of Neurological Sciences</i> , 2020, 47, 756-763.	0.5	5

#	ARTICLE	IF	CITATIONS
19	Common Data Elements to Facilitate Sharing and Re-use of Participant-Level Data: Assessment of Psychiatric Comorbidity Across Brain Disorders. <i>Frontiers in Psychiatry</i> , 2022, 13, 816465.	2.6	3
20	Caregiving concerns and clinical characteristics across neurodegenerative and cerebrovascular disorders in the Ontario neurodegenerative disease research initiative. <i>International Journal of Geriatric Psychiatry</i> , 2022, 37, .	2.7	3
21	Powerful visualization of product-attribute associations for temporal data. <i>Food Quality and Preference</i> , 2020, 79, 103572.	4.6	2
22	Magnetic Resonance Imaging Sequence Identification Using a Metadata Learning Approach. <i>Frontiers in Neuroinformatics</i> , 2021, 15, 622951.	2.5	2
23	TurSOM: A paradigm bridging Turing's unorganized machines and self-organizing maps demonstrating dual self-organization. <i>Neurocomputing</i> , 2011, 74, 3125-3141.	5.9	0